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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Applicant: CATALYTIC DISTILLATION TECHNOLOGIES
Address of Applicant: 10100 Bay Area Boulevard
Pasadena, Texas 77507

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, CATALYTIC DISTILLATION TECHNOLOGIES, the applicant of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 70312

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to the address associated with Customer Number 70312.

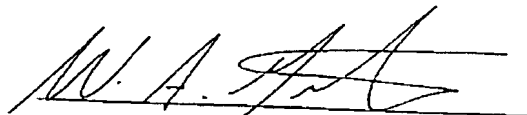
Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

- 1 -

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

8 May 2007

Name:

Willibrord A. Groten

Title:

Managing Director

Catalytic Distillation Technologies

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APPENDIX A

1. **Patent Application/Serial No.:** 10/093,708
Title: PROCESS FOR VINYL ACETATE
Filed: 03/08/2002
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 012679/0366
Reference No: 17344/125001 (CDT 1811)

2. **Patent Application/Serial No.:** 60/329,451
Title: PROCESS FOR THE CONVERSION OF MIXED C4 & C5 STREAMS TO MOTOR FUEL
Filed: 10/15/2001
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 012583/0424
Reference No: 17344/101001 (CDT 1649 PRO)

3. **Patent Application/Serial No.:** 10/071,341
Title: PROCESS FOR THE CONVERSION OF MIXED C4 & C5 STREAMS TO MOTOR FUEL
Filed: 02/08/2002
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 012583/0424
Reference No: 17344/101002 (CDT 1694)

APPENDIX A (cont'd)

4. **Patent Application/Serial No.:** 08/630,339
Title: PROCESS FOR THE PRODUCTION OF
ETHYL TOLUENE
Filed: 04/10/1996
Assignee: Chemical Research & Licensing Co.
Reel/Frame No.: 7964/0756
Reference No: 17344/060001 (CDT 1472)
5. **Patent Application/Serial No.:** 08/118,311
Title: MULTI-PURPOSE CATALYTIC
DISTILLATION COLUMN AND
ETHERIFICATION PROCESS USIING
SAME
Filed: 09/09/1993
Assignee: Chemical Research & Licensing Co.
Reel/Frame No.: 6686/0484
Reference No: 17344/044001 (CDT 1386)

241886_1 (Group 9)